

**JYBO**  
INSTRUMENT

金义博®

# ELEMENTAL ANALYZER CS/ONH



# CS8820S Carbon Sulfur Analyzer

- High stability, low cost
- Unique analysis of gas removal device
- Full scale linear calibration
- Constant temperature of high-temperature furnace
- Carbon monoxide conversion
- Weak signal detection technology

**Key Applications: Steel, iron, alloy, casting core sand, nonferrous metals.**



Item	Index
Measurement Range	Carbon: 0.0001%–15.0000% (can be expanded to 99.9999%) Sulfur: 0.0001%–10.0000% (can be expanded to 99.9999%)
Analysis Error	Up to standard of GB/T20123–2006/ISO15350:2000
Analysis Time	Adjustable within 25–60s (Normally around 35 s)
High-Frequency Furnace	Power $\geq 2.5\text{kVA}$ , Frequency: 18MHz
Electronic Scales	Non-quantitative weighing, Reading Precision: 0.0001g
Working Environment	Room Temperature: 10–30°C, Relative Humidity: Less than 90%
Power Supply	It is required to keep good earthing. Voltage AC220V $\pm 5\%$ , Frequency 50Hz $\pm 2\%$
Oxygen	Purity $\geq 99.5\%$ , Input Pressure: 0.18MPa $\pm 5\%$

# CS8820T Carbon Sulfur Analyzer

- Excellent long-term stability
- Lowering operating cost, easy maintenance
- High integration, reliability, stability
- Flexible, reliable and safety on-site analysis
- Carbon monoxide conversion
- Automatic detection of solenoid valve
- Full scale linear calibration

**Key Applications:** Mainly used in graphite, coal, coke, carburant, rubber, pyrite, coal gangue.



Item	Index
Measurement Range	Carbon: 5.0000%–95.0000% (can be expanded to 99.9999%) Sulfur: 1.0000%–50.0000% (can be expanded to 99.9999%)
Sensitivity	0.1ppm
Analysis Time	Adjustable within 25–60s (Normally around 35s)
Analysis Error	Carbon meets ISO9556 standard, Sulfur meets ISO4935 standard Meet the JJG395–97 standard at the same time
High-Frequency Furnace	Power $\geq$ 2.5kVA, Frequency: 18MHz
Working Environment	Room Temperature: 10–30°C, Relative Humidity: Less than 90%
Power Supply	It is required to keep good earthing. Voltage AC220V $\pm$ 5%, Frequency 50Hz $\pm$ 2%
Combustion Power	2.5KVA—7.5KVA(auto-adjust)

# CS8800S Carbon Sulfur Analyzer

- Complete function, easy to operate
- Carbon dioxide device
- Different electronic balances, same data interface
- Unique analysis of gas removal device
- Carbon monoxide conversion
- Automatic detection of solenoid valve

## Key Applications:

**Cement, ore, coke, catalyst, magnetic materials, ceramics, inorganic matter, graphite, refractory materials, battery materials and other materials.**



Item	Index
Analysis Theory	High-frequency furnace burn infrared absorptive detection
Range of Measurement	C: 0.000001% ~ 99.999999% S: 0.000001% ~ 99.999999%
Analytical Error	According to ISO9556/ISO4935/ JJG395-97
Analysis Precision	C:RSD≤0.5%. S:RSD≤1.0%
Sensibility (Min.reading)	0.01ppm
Detection Cell	Carbon: Carbon cell (can add low carbon cell) Sulfur: Sulfur cell (can add high sulfur cell)
Analysis Time	20-60s can setting (usually 35s)
High-frequency Furnace	Power:2.5KVA-7.5KVA Frequency:20MHz

# ONH-2018 Oxygen Nitrogen Hydrogen Analyzer



- Optimized with user-friendly features
- Highest reliability and economics
- Precise and efficient element analysis
- Quick results thanks to easy operation
- Powerful furnace technology and new sample port system
- Oxygen measurement cells with flexible measuring range

**Key Applications: Steel, Cobalt, Nickel, Ferroalloys, Copper Production, Titanium, Zirconium and other Refractory Metals Processing, Aluminum and Magnesium, Magnetic Materials.**

Items	Index
Measurement Range	Oxygen: 0.00005% ~ 0.1% Nitrogen: 0.00005% ~ 0.5% Hydrogen: 0.00005% ~ 0.0050%
Minimum Reading	0.000001%
Instrument Accuracy	Oxygen: SD: $\leq 0.0001\%$ or RSD $\leq 1.0\%$ Nitrogen: SD: $\leq 0.0001\%$ or RSD $\leq 1.0\%$ Hydrogen: SD: $\leq 0.2\text{ppm}$ or RSD $\leq 2.0\%$
Analysis Time	Oxygen: 120 ~ 180s Nitrogen: 120 ~ 240s Hydrogen: 120 ~ 180s / 120 ~ 240s (Infrared absorption method / thermal conductivity method)
Balance Weighing Accuracy	0.0001g
Pulse Heating Furnace	Maximum current: 1500A Maximum power: 8KVA Maximum temperature: 3500°C

39 Years of Experience



100+ Employees



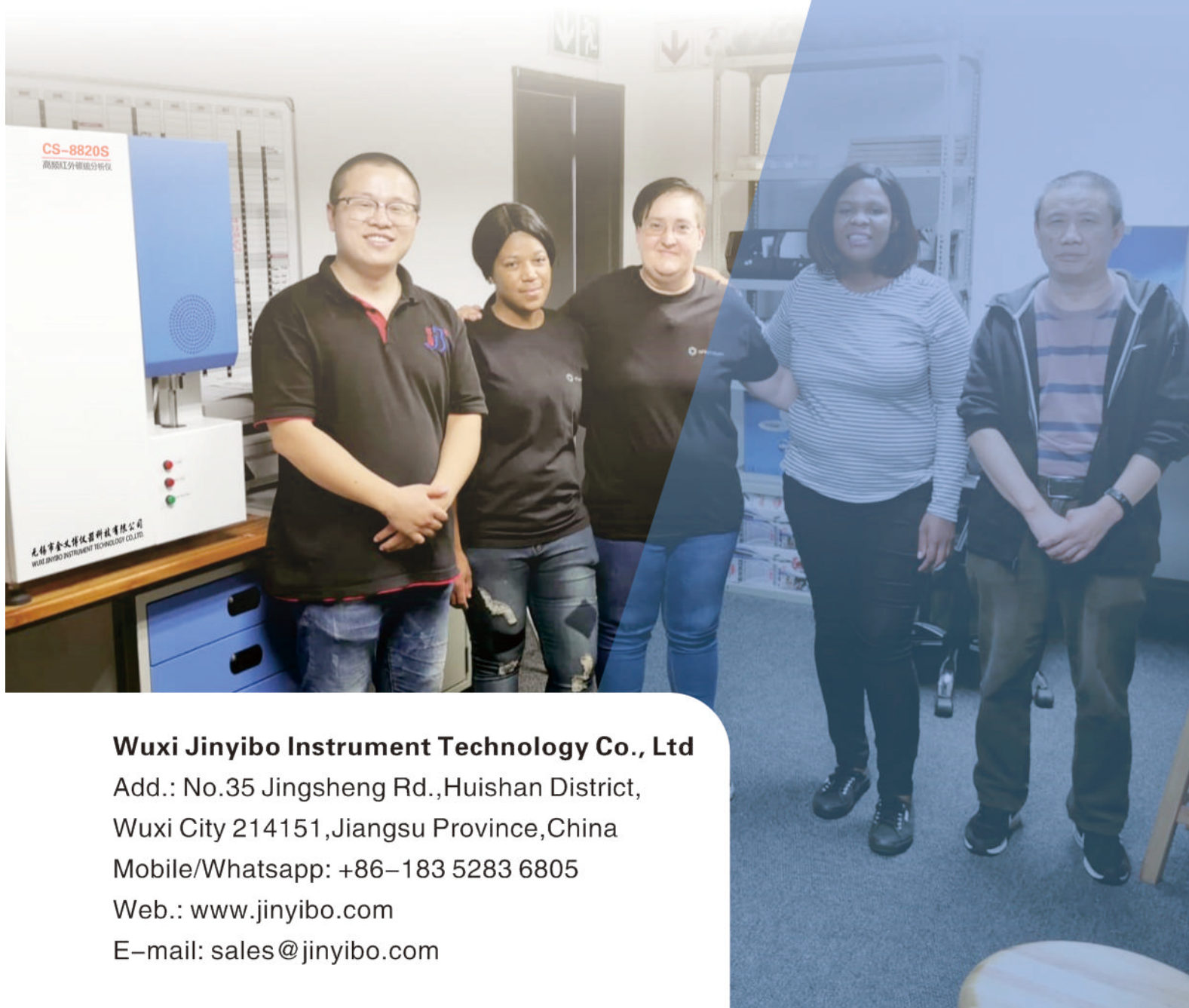
12 Senior Engineers



45 Countries



9000+ Customers



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